

CLAIMS

- 1 A radiation curable resin composition comprising (A) reactive oxide particles,
prepared by reacting particles of at least one oxide of an element selected
5 from the group consisting of silicon, aluminum, zirconium, titanium, zinc,
germanium, indium, tin, antimony and cerium, with an organic compound that
includes a polymerizable unsaturated group, (B) a radically polymerizable
compound including two or more functional groups, (C) a salt of an inorganic
acid and/or an organic acid, and optionally (D) an organic polymer including a
10 structural unit derived from an alkylene glycol.
- 2 A radiation-curable resin composition according to claim 1, wherein the
reactive oxide particles have been prepared from silica particles.
- 3 The radiation-curable resin composition according to claim 1, wherein at least
a part of the salt (C) of an inorganic acid and/or an organic acid is a salt
15 formed of one cation selected from the group consisting of a lithium ion,
sodium ion, and tetraalkylammonium ion and a perchlorate ion.
- 4 The radiation-curable resin composition according to any one of claims 1 to 3,
comprising component D and wherein at least a part of the organic polymer
(D) including a structural unit derived from an alkylene glycol is at least one
20 polymer selected from the group consisting of polyethylene glycol,
polypropylene glycol, and a copolymer of polyethylene glycol and
polypropylene glycol.
- 5 The radiation-curable resin composition according to any of claims 1 to 4,
wherein the organic polymer (D) including a structural unit derived from an
alkylene glycol includes a structure derived from (meth)acrylate.
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- 6 A radiation-curable resin composition according to any one of claims 1 to 5,
comprising methanol, ethanol, isopropanol or butanol.
- 7 A cured film obtained by curing the radiation-curable resin composition
according to any of claims 1 to 6 by applying radiation.
- 30 8 A laminate comprising a substrate layer and a layer of the cured film according
to claim 7.
- 9 The laminate according to claim 8, comprising a first layer exhibiting
conductivity between the substrate layer and a second layer formed of the
cured film.
- 35 10 The laminate according to claim 9, wherein the second layer has surface

resistivity of 1×10^{12} ohm/square or less.

11 The laminate according to claim 9 or 10, wherein the first layer includes 50 wt% or more of antimony-doped tin oxide particles.

12 The laminate according to any of claims 9 to 11, wherein the first layer
5 includes polyaniline.